Table 12.1 Estimated Emissions of Greenhouse Gases, 1985-1998

Year	Greenhouse Gases (million metric tons of gas)				Greenhouse Gases, Based on Global Warming Potential [1] (million metric tons of carbon or equivalent)				
	Carbon Dioxide	Methane	Nitrous Oxide	HFCs PFCs SF_6	Carbon Dioxide	Methane	Nitrous Oxide	HFCs PFCs SF_6	Total
1985	R4,584.2	R29.3	R1.1	(s)	1,250	168	96	20	1,533
1986	R4,585.6	R28.7	R1.1	(s)	1,251	165	93	21	1,530
1987	R4,735.0	R29.3	R1.1	(s)	1,291	168	93	22	1,575
1988	R4,949.4	R29.6	R1.1	(s)	1,350	170	91	26	1,636
1989	R4,996.6	R29.8	R1.1	(s)	1,363	171	96	26	1,656
1990	R4,939.0	30.2	R1.2	(s)	1,347	173	99	22	1,641
1991	R4,886.0	R30.5	R1.2	(s)	1,333	174	101	22	1,629
1992	R4,972.9	R30.6	R1.2	(s)	1,356	175	103	23	1,657
1993	R5,090.1	R29.9	R1.2	(s)	1,389	171	103	24	1,686
1994	R5,169.7	R30.0	R1.3	(s)	1,407	172	111	26	1,717
1995	R5,221.3	R30.2	R1.3	(s)	1,414	173	106	32	1,725
1996	R5,396.4	R29.3	R1.2	(s)	1,457	168	105	36	1,766
1997	R5,471.2	R29.3	R1.2	(s)	1,490	168	104	38	1,800
1998P	5,483.9	28.8	1.2	(s)	1,495	165	103	40	1,803

[1] Emissions of greenhouse gases were weighted based upon their relative global warming potential, with carbon dioxide gas equal to a weight of one, and were converted to carbon (for carbon dioxide) or to equivalent units of carbon (for other gases) by dividing by 3.667.

R=Revised. P=Preliminary. (s)=Less than 0.05 million metric tons.

Notes: • HFCs = hydrofluorocarbons; PFCs = perfluorocarbons; and SF_6 = sulfur hexafluoride. • Emissions are from anthropogenic sources. Anthropogenic means produced as the result of human activities, including emissions from agricultural activity and domestic livestock. Emissions from natural sources, such as wetlands and wild animals, are not included. • Because estimation methods for greenhouse gases are currently being developed, data are frequently revised on an annual basis in keeping with the latest findings of the international scientific community. For some of the gases, such as carbon dioxide, revisions are a small percentage of the total (on the order of 1 percent), but for other gases, such as nitrous oxide, they may be on the order of 100 percent.

Web Page: http://www.eia.doe.gov/environment.html.

Sources: • 1985-1989—Energy Information Administration (EIA), *Emissions of Greenhouse Gases in the United States,* annual reports. • 1990 forward—EIA, *Emissions of Greenhouse Gases in the United States 1998* (October 1999).